

Order No. **DSD0605507SE**

**B24**

# Service Manual

**DVD Video Recorder**

**DMR-ES15P / DMR-ES15PC / DMR-ES15EB / DMR-ES15EBL /  
DMR-ES15EC / DMR-ES15EG / DMR-ES15EP / DMR-ES15EE /  
DMR-ES15GC / DMR-ES15GCA / DMR-ES15GCS / DMR-ES15GN  
DMR-ES20P / DMR-ES20PC / DMR-ES25P / DMR-ES25PC / DMR-ES35VP /  
DMR-ES35VPC / DMR-ES35VEC / DMR-ES35VEG / DMR-ES40VP / DMR-  
ES40VPC / DMR-ES45VP / DMR-ES46VP**

**Vol.1**

**Colour**

**(S).....Silver Type**

**(K).....Black Type (ES15EP/EC/EG only)**

## **Caution for updating Firmware**

Please file and use this supplement manual together with the service manual for Models / DMR-ES15P/PC (No.CHM0602005CE) / DMR-ES15EB/EBL/EC/EG/EP (No.DSD0602001CE) / DMR-ES15EE/GC/GCA/GCS/GN (No.CHM0603012CE) / DMR-ES20P/PC (No.DSD0508063CE) / DMR-ES25P/PC (No.CHM0604022CE) / DMR-ES35VP/PC (No.VR0603001CE) / DMR-ES35VEC/EG (No.MAD0605013CE) / DMR-ES40VP/PC (No.VR0508007CE) / DMR-ES45VP/ES46VP (No.VR0603003CE)

## **SPECIFICATIONS**

Firmware of mentioned models is compulsively changed even if new version has already been installed in product. UNFORMAT is not displayed.  
Please confirm firm version of the product before update to avoid making down version.

\* Effective model: Product without HDD models.

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 **WARNING**

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

## **1. Updating Procedure of firmware**

### **1.1. Confirmation of firm version of the product**

\* Press buttons as below of product simultaneously for 5 seconds to turn it in Service Mode

| Model No.   | Simultaneous pressing buttons                | FL Display |
|---|--|------------|
| DMR-ES15R/PC<br>DMR-ES15EB/EBU/ES/EG/EP<br>DMR-ES15EE/GC/GCA/ECS/GV<br>DMR-ES25R/PC | [CH UP] + [OPEN/CLOSE] + [REC]               | SERV       |
| DMR-ES20R/PC  | [CH UP] + [OPEN/CLOSE] + [REC]               | S/M        |
| DMR-ES35V/PC<br>DMR-ES35VE/EG<br>DMR-ES45V<br>DMR-ES48V                             | [VHS to DVD COPYING] + [OPEN/CLOSE] + [STOP] | SERV       |
| DMR-ES40V/PC  | [VHS to DVD DUBBING] + [OPEN/CLOSE] + [STOP] | S/M        |

2. Press [0] 2) of the remote controller.

| Model No.   | FL Display  |
|---|---|
| DMR-ES15R/PC<br>DMR-ES15EB/EBU/ES/EG/EP<br>DMR-ES15EE/GC/GCA/ECS/GV<br>DMR-ES25R/PC | <p>1. Region code is displayed for 5 seconds</p> <div>NC*</div> <p>2. MAIN firm version is displayed for 5 seconds</p> <div>*****</div> <p>3. TIMER firm version is displayed for 5 seconds.</p> <div>*****</div> <p>4. DRIVE firm version is displayed for 5 seconds.</p> <div>*****</div> <p>5. ROM Correction version is left displayed.</p> <div>***</div> <p>*** are vers on displays.</p> |
| DMR-ES20R/PC  | <p>1. Region code is displayed for 5 seconds</p> <div>*</div> <p>2. MAIN firm version is displayed for 5 seconds</p> <div>*****</div> <p>3. TIMER firm version is displayed for 5 seconds.</p> <div>*****</div>   |

| Model No.   | FL Display   |
|---|--|
| DMR-ES35VF/PC<br>DMR-ES35VEG/EG<br>DMR-ES45VF<br>DMR-ES48VF | <p>1. Region code is displayed for 5 seconds.</p> <p>No*</p> <p>2. MAIN firm version is displayed for 5 seconds.</p> <p>*****</p> <p>3. TIMER firm version is displayed for 5 seconds.</p> <p>*****</p> <p>4. DRIVE firmware version is</p> <p>****</p> <p>5. ROM Correction version is displayed for 5 seconds.</p> <p>***</p> <p>6. VHS Microprocessor version is displayed for 5 seconds.</p> <p>*****</p> <p>7. VHS ROV Correction version is left displayed.</p> <p>xx</p> <p>* " " are vers on displays.</p> |
| Model No.   | FL Display   |
| DMR-ES40VF/PC   | <p>1. Region code is displayed for 5 seconds.</p> <p>*</p> <p>2. MAIN firm version is displayed for 5 seconds.</p> <p>*****</p> <p>3. TIMER firm version is displayed for 5 seconds.</p> <p>*****</p> <p>4. DRIVE firmware version is displayed for 5 seconds.</p> <p>****</p> <p>5. ROM Correction version is displayed for 5 seconds.</p> <p>* ***</p> <p>6. VHS Microprocessor version is displayed for 5 seconds.</p> <p>****</p>  |

## 1.2. Compare Main firm version and Drive firm version of FL display with versions of updating disc.